

100	SOFTWARE PROGRAM DEVELOPMENT TOOL	144	....Including graph or tree representation (e.g., abstract syntax tree or AST)
	(E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)		
101	..Software project management	145	...Including recompilation
102	..Enterprise based	146	...Including intermediate code
103	...Distributed	147	....Platform-independent form (e.g., abstract code)
104	..Modeling		
105	..Visual	148	....Just-in-time compiling or dynamic compiling (e.g., compiling Java bytecode on a virtual machine)
106	..Code generation		
107	..Component based		
108	..Object oriented	149	...For a parallel or multiprocessor system
109	..Visual	150	....Loop compiling
110	..Editing	151	...Optimization
111	..Dynamic	152	....Static (source or intermediate level)
112	...Syntax based	153	....Dynamic (i.e., machine or object level)
113	..Visual	154	....Including analysis of program
114	..Programming language	155	.....Data flow analysis
115	..Script	156	.....Using flow graph
116	..Object oriented	157	.....Using procedure or function call graph
117	..Declarative (e.g., rule based)	158	.....Including instrumentation and profiling
118	..Bytecode (e.g., Java)	159	....Code restructuring
119	..Parallel	160	.....Including loop
120	..Managing software components	161	.....Including scheduling instructions
121	..Software configuration	162	..Linking
122	..Source code version	163	..Including library
123	..Design documentation	164	...Shared
124	..Testing or debugging	165	..Object oriented
125	..Having interactive or visual	166	...Using class loader
126	..Program verification	167	..Remote
127	..Monitoring program execution	168	SOFTWARE UPGRADING OR UPDATING
128	...Tracing	169	..Including multiple files
129	...Using breakpoint	170	..Plural version management
130	..Including instrumentation and profiling	171	..Network
131	..Including analysis of program execution	172	..Including distribution of software (e.g., push-down, pull-down)
132	...Using program flow graph	173	...Including downloading
133	....Using procedure or function call graph	174	SOFTWARE INSTALLATION
134	..Including emulation	175	..Including multiple files
135	..Including simulation	176	..Network
136	..Translation of code	177	..Including distribution of software
137	..Source-to-source programming language translation	178	...Including downloading
138	..Emulation		
139	..Interpreter		
140	..Compiling code		
141	...Analysis of code form		
142	....Scanning and lexical analysis		
143	....Parsing, syntax analysis, and semantic analysis		

717-2

CLASS 717 DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND
MANAGEMENT

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS